

Experiment Number: A38881

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: 2-Mercaptobenzothiazole

CAS Number: 149-30-4

Date Report Requested: 09/20/2018

Time Report Requested: 12:08:01

NTP Study Number:

A38881

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	0.40 ± 0.19		44.60 ± 5.26
150.0	5	1.00 ± 0.32	0.0543	47.80 ± 5.80
312.5	5	0.80 ± 0.25	0.1240	45.10 ± 6.21
625.0	4	0.50 ± 0.00	0.3759	43.88 ± 4.21
Trend p-Value		0.5300		
Positive Control ²	4	12.00 ± 6.66	< 0.001 *	6.50 ± 2.40

Trial Summary: Negative

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LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean \pm Standard Error Mean

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at $p = 0.025/\text{number of treatment groups}$; positive control value is significant at $p = 0.05$

Cochran-Armitage trend test, significant at $p = 0.025$

* Statistically significant pairwise or trend test

1: Vehicle Control: Corn Oil

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****